

WHAT IS CLAIMED IS:

1. A Group III nitride compound semiconductor

light-emitting element adapted to be mounted on a wiring board

in the form of a flip chip, said Group III nitride compound

5 semiconductor light-emitting element comprising:

a light-emitting layer;

a contact layer made of a Group III nitride compound semiconductor and formed above said light-emitting layer;

an ohmic electrode formed on said contact layer;

10 a seat electrode formed on said contact layer so that

said ohmic electrode is covered with said seat electrode; and

a ball electrode for electrically connecting said seat

electrode and a circuit wiring of said wiring board to each

other;

15 wherein an area of contact between said seat electrode

and said ball electrode is larger than an area of contact between

said contact layer and said ohmic electrode.

2. A light-emitting element according to claim 1,

20 wherein a wavelength of light emitted from said Group III nitride

compound semiconductor light-emitting element is in a range

of from 450 nm to 550 nm.

3. A light-emitting element according to claim 1,

25 wherein the area of contact between said contact layer and said

ohmic electrode is not larger than 0.025 mm^2 .

4. A communication device comprising:

an optical fiber;

5 a wiring board;

a Group III nitride compound semiconductor

light-emitting element mounted on said wiring board in the form

of a flip chip and coupled to said optical fiber, said Group

III nitride compound semiconductor light-emitting element

10 comprising:

a light-emitting layer;

a contact layer made of a Group III nitride compound

semiconductor and formed above said light-emitting layer;

an ohmic electrode formed on said contact layer;

15 a seat electrode formed on said contact layer so that

said ohmic electrode is covered with said seat electrode; and

a ball electrode for electrically connecting said seat

electrode and a circuit wiring of said wiring board to each

other;

20 wherein an area of contact between said seat electrode

and said ball electrode is larger than an area of contact between

said contact layer and said ohmic electrode.

5. A communication device according to claim 4,

25 wherein said optical fiber is a plastic optical fiber.